- 1 -

SEQUENCE LISTING

<110> AGT BIOSCIENCES LIMITED
       Gregory, Royce, COLLIER (US Only)
       Kenneth, Russell, WALDER (US Only)
       James, Leonard, TREVASKIS (US Only)
       Janine, Susan, McMILLAN (US Only)
       Lyndal, Jane, BAYLES (US Only)

<120> Methods of Treatment and Prophylaxis

<130> 12581190/EJH

<150> US 60/553,823
<151> 2004-03-16

<160> 67

<170> PatentIn version 3.1

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        35   40   45

Ala Arg Glu Gly Gly Asn Lys Ala Ser Lys Lys Ser Asn Gly Ala Pro
    50   55   60

Asn Gly Phe Tyr Ala Glu Ile Asp Trp Glu Arg Tyr Asn Ser Pro Glu
65   70   75   80

Leu Asp Glu Glu Gly Tyr Ser Ile Arg Pro Glu Glu Pro Gly Ser Thr
            85   90   95

Lys Gly Lys His Phe Tyr Ser Ser Ser Glu Ser Glu Glu Glu Glu Glu
            100   105   110

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Ile Leu Lys Asn Ala Ala Thr Val Asp Glu Leu Lys Ala Ser Ile Gly
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Asn Ile Ala Leu Ser Pro Ser Pro Val Arg Lys Ser Pro Arg Arg Ser
145   150   155   160

Pro Gly Ala Ile Lys Arg Asn Leu Ser Ser Glu Glu Val Ala Arg Pro
                165   170   175

Arg Arg Ser Thr Pro Thr Pro Glu Leu Thr Ser Lys Lys Pro Leu Asp
                180   185   190

Asp Thr Leu Ala Leu Ala Pro Leu Phe Gly Pro Pro Leu Glu Ser Ala
                195   200   205

Phe Asp Gly His Lys Thr Glu Val Leu Leu Asp Gln Pro Glu Ile Trp
        210   215   220

Gly Ser Gly Gln Pro Val Asn Pro Ser Met Glu Ser Pro Lys Leu Ala
225   230   235   240

Arg Pro Phe Pro Thr Gly Thr Pro Pro Leu Pro Pro Lys Thr Val
                245   250   255

Pro Ala Thr Pro Pro Arg Thr Gly Ser Pro Leu Thr Val Ala Thr Gly
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Glu His Val Thr Pro Glu Leu Thr Pro Arg Glu Lys Val Val Thr Pro
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Pro Ala Ala Ser Asp Ile Pro Ala Asp Ser Pro Thr Pro Gly Pro Pro
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Gly Pro Pro Gly Ser Ala Gly Pro Pro Gly Pro Pro Gly Pro Arg Asn
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Val Pro Ser Pro Leu Asn Leu Glu Glu Val Gln Lys Lys Val Ala Glu
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Gln Thr Phe Ile Lys Asp Asp Tyr Leu Glu Thr Leu Ser Ser Pro Lys
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Glu Cys Gly Leu Gly Gln Arg Ala Thr Pro Pro Pro Pro Pro Pro
                405   410   415

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Thr Tyr Arg Thr Val Val Ser Ser Pro Gly Pro Gly Ser Gly Ser Gly
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Thr Gly Thr Ala Ser Gly Ala Ser Ser Pro Ala Arg Pro Ala Thr Pro
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     450   455   460

Pro Ser Arg Pro Lys Leu Pro Pro Gly Lys Pro Gly Val Gly Asp Val
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Ser Arg Pro Phe Ser Pro Pro Ile His Ser Ser Ser Pro Pro Pro Ile
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Ala Pro Leu Ala Arg Ala Glu Ser Thr Ser Ser Ile Ser Ser Thr Asn
          500   505   510

Ser Leu Ser Ala Ala Thr Thr Pro Thr Val Glu Asn Glu Gln Ala Ser
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Leu Val Trp Phe Asp Arg Gly Lys Phe Tyr Leu Thr Phe Glu Gly Ser
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Ser Arg Gly Pro Ser Pro Leu Thr Met Gly Ala Gln Asp Thr Leu Pro
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Val Ala Ala Ala Phe Thr Glu Thr Val Asn Ala Tyr Phe Lys Gly Ala
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Pro Asn Pro Gln Leu Leu Cys Cys Asp Asn Thr Gln Asn Asp Ala Asn
625                 630                 635                 640


Thr Lys Glu Phe Trp Val Asn Met Pro Asn Leu Met Thr His Leu Lys
                645                 650                 655


Lys Val Ser Glu Gln Lys Pro Gln Ala Thr Tyr Tyr Asn Val Asp Met
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Leu Lys Tyr Gln Val Ser Ala Gln Gly Ile Gln Ser Thr Pro Leu Asn
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Leu Ala Val Asn Trp Arg Cys Glu Pro Ser Ser Thr Asp Leu Arg Ile
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Asp Tyr Lys Tyr Asn Thr Asp Ala Met Ser Thr Ala Val Ala Leu Asn
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Asn Val Gln Phe Leu Val Pro Ile Asp Gly Gly Val Thr Lys Leu Gln
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Trp Lys Ile Pro Asp Ile Ser Gln Lys Ser Glu Asn Gly Gly Val Gly
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Ser Leu Leu Ala Arg Phe Gln Leu Ala Glu Gly Pro Ser Lys Pro Ser
          770              775              780


Pro Leu Val Val Gln Phe·Thr Ser Glu Gly Ser Thr Leu Ser Gly Cys
785              790              795              800


Asp Ile Glu Leu Val Gly Ala Gly Tyr Gly Phe Ser Leu Ile Lys Lys
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Met Gln Pro Ser Pro His Glu Leu Pro Tyr His Ser Lys Ala Glu Cys
        35                  40                  45


Ala Arg Glu Gly Gly Lys Lys Ala Ser Lys Lys Ser Asn Gly Ala Pro
    50                  55                  60


Asn Gly Phe Tyr Ala Glu Ile Asp Trp Glu Arg Tyr Asn Ser Pro Glu
65                  70                  75                  80


Leu Asp Glu Glu Gly Tyr Ser Ile Arg Pro Glu Glu Pro Gly Ser Thr
                85                  90                  95


Lys Gly Lys His Phe Tyr Ser Ser Ser Glu Ser Glu Glu Glu Glu Glu
            100                 105                 110


Ser His Lys Lys Phe Asn Ile Lys Ile Lys Pro Leu Gln Ser Lys Asp
            115                 120                 125


Ile Leu Lys Asn Ala Ala Thr Val Asp Glu Leu Lys Ala Ser Ile Gly
    130                 135                 140


Asn Ile Ala Leu Ser Pro Ser Pro Val Arg Lys Ser Pro Arg Arg Ser
145                 150                 155                 160


Pro Gly Ala Ile Lys Arg Asn Leu Ser Ser Glu Glu Val Ala Arg Pro
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Asp Thr Leu Ala Leu Ala Pro Leu Phe Gly Pro Pro Leu Glu Ser Ala
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Phe Asp Gly His Lys Thr Glu Val Leu Leu Asp Gln Pro Glu Ile Trp
        210                 215                 220


Gly Ser Gly Gln Pro Val Asn Pro Ser Met Glu Ser Pro Lys Leu Ala
225                 230                 235                 240


Arg Pro Phe Pro Thr Gly Thr Pro Pro Leu Pro Pro Lys Thr Val
                245                 250                 255


Pro Ala Thr Pro Pro Arg Thr Gly Ser Pro Leu Thr Val Ala Thr Gly
                260                 265                 270


Asn Asp Gln Ala Ala Thr Glu Ala Lys Ile Glu Lys Pro Pro Ser Ile
        275                 280                 285


Ser Asp Leu Asp Ser Ile Phe Gly Pro Val Leu Ser Pro Lys Ser Val
        290                 295                 300


Ala Val Asn Thr Glu Glu Thr Trp Val His Phe Ser Asp Ala Ser Pro
305                 310                 315                 320


Glu His Val Thr Pro Glu Leu Thr Pro Arg Glu Lys Val Val Thr Pro
                325                 330                 335
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Pro Ala Ala Ser Asp Ile Pro Ala Asp Ser Pro Thr Pro Gly Pro Pro
        340   345   350

Gly Pro Pro Gly Ser Ala Gly Pro Pro Gly Pro Pro Gly Pro Arg Asn
        355   360   365

Val Pro Ser Pro Leu Asn Leu Glu Glu Val Gln Lys Lys Val Ala Glu
        370   375   380

Gln Thr Phe Ile Lys Asp Asp Tyr Leu Glu Thr Leu Ser Ser Pro Lys
385   390   395   400

Glu Cys Gly Leu Gly Gln Arg Glu Thr Pro Pro Pro Pro Pro Pro Pro
            405   410   415

Thr Tyr Arg Thr Val Val Ser Ser Pro Gly Pro Gly Ser Gly Ser Gly
            420   425   430

Thr Gly Thr Ala Ser Gly Ala Ser Ser Pro Ala Arg Pro Ala Thr Pro
        435   440   445

Leu Val Pro Cys Ser Cys Ser Thr Pro Pro Pro Pro Pro Arg Pro
        450   455   460

Pro Ser Arg Pro Lys Leu Pro Pro Gly Lys Pro Gly Val Gly Asp Val
465   470   475   480

Ser Arg Pro Phe Ser Pro Pro Ile His Ser Ser Ser Pro Pro Pro Ile
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Ala Pro Leu

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            20   25   30

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            35   40   45

Ser Asp Leu Asp Ser Ile Phe Gly Pro Val Leu Ser Pro Lys Ser Val
            50   55   60

Ala Val Asn Thr Glu Glu Thr Trp Val His Phe Ser Asp Ala Ser Pro
65   70   75   ·80

Glu His Val Thr Pro Glu Leu Thr Pro Arg Glu Lys Val Val Thr Pro
                85   90   95

Pro Ala Ala Ser Asp Ile Pro Ala Asp Ser Pro Thr Pro Gly Pro Pro
            100   105   110

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Gly Pro Pro Gly Ser Ala Gly Pro Pro Gly Pro Pro Gly Pro Arg Asn
        115   120   125

Val Pro Ser Pro Leu Asn Leu Glu Glu Val Gln Lys Lys Val Ala Glu
    130   135   140

Gln Thr Phe Ile Lys Asp Asp Tyr Leu Glu Thr Leu Ser Ser Pro Lys
145   150   155   160

Glu Cys Gly Leu Gly Gln Arg Ala Thr Pro Pro Pro Pro Pro Pro Pro
                165   170   175

Thr Tyr Arg Thr Val Val Ser Ser Pro Gly Pro Gly Ser Gly Ser Gly
            180   185   190

Thr Gly Thr Ala Ser Gly Ala Ser Ser Pro Ala Arg Pro Ala Thr Pro
        195   200   205

Leu Val Pro Cys Ser Cys Ser Thr Pro Pro Pro Pro Pro Arg Pro
    210   215   220

Pro Ser Arg Pro Lys Leu Pro Pro Gly Lys Pro Gly Val Gly Asp Val
225   230   235   240

Ser Arg Pro Phe Ser Pro Pro Ile His Ser Ser Ser Pro Pro Pro Ile
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Ala Pro Leu

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tgtatattta ctgttcatcn tggaactcgt gccactga                            38



<210>  17
<211>  21
<212>  DNA
<213>  Artificial Sequence
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<220>
<223>  SNP 4143026 Forward primer

<400>  17
gcaaattagc ctgccagaga g                                       21


<210>  18
<211>  21
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 4143026 Reverse primer

<400>  18
gtgaagtgag gacaggaaag g                                       21


<210>  19
<211>  41
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 4143026 SNP sequence

<220>
<221>  misc_feature
<222>  (20)..(20)
<223>  "n" is either "c" or "t"


<400>  19
gcaaaattca tgaatttgcn gctgcttggt aacaccaccc c                 41
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<210>  20
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<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 604737 Forward primer

<400>  20
ggtgccattc aacaatacta c                                                    21


<210>  21
<211>  21
<212>  DNA
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<220>
<223>  SNP 604737 Reverse primer

<400>  21
gggcagttag acacttgagt t                                                    21


<210>  22
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<220>
<223>  SNP 604737 SNP sequence

<220>
<221>  misc_feature
<222>  (23)..(23)
<223>  "n" is either "c" or "t"
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<400> 22
ttttaccatt cctgaaatgg atntaattta aactgtggta tgt   43

<210> 23
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> SNP 485521 Forward primer

<400> 23
ggtaaaaagg gaaagcaatt c   21

<210> 24
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> SNP 485521 Reverse primer

<400> 24
ggagagggggc aagtagttaa g   21

<210> 25
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> SNP 485521 SNP sequence

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<220>
<221>  misc_feature
<222>  (19)..(19)
<223>  "n" is either "a" or "g"


<400>  25
tcaagagtaa agaagatgnt gaagtcttaa ctacttgccc c                          41


<210>  26
<211>  21
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 1373909 Forward primer

<400>  26
gctcccatcc tctttgcaat g                                                21


<210>  27
<211>  21
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 1373909 Reverse primer

<400>  27
gttctgctta gaaggcttgg g                                                21
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<210>   28
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<213>   Artificial Sequence

<220>
<223>   SNP 1373909 SNP sequence

<220>
<221>   misc_feature
<222>   (21)..(21)
<223>   "n" is either "a" or "g"


<400>   28
gtgttcatgg agataacagc naatggtctt ccaggaattt a                        41


<210>   29
<211>   21
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   SNP 4655650 Forward primer

<400>   29
gtgcaggcgt tttcagtttt g                                              21


<210>   30
<211>   21
<212>   DNA
<213>   Artificial Sequence
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<220>
<223>  SNP 4655650 Reverse primer


<400>  30
gcagacatta accccatgaa c                                                 21



<210>  31
<211>  42
<212>  DNA
<213>  Artificial Sequence


<220>
<223>  SNP 4655650 SNP sequence


<220>
<221>  misc_feature
<222>  (24)..(24)
<223>  "n" is either "c" or "t"



<400>  31
cgttttcagt tttgaagcat attnatagga ggctttaaat ca                          42



<210>  32
<211>  21
<212>  DNA
<213>  Artificial Sequence


<220>
<223>  SNP 657808 Forward primer


<400>  32
gtaaaactct ccttctggat c                                                 21
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<210>   33
<211>   21
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   SNP 657808 Reverse primer

<400>   33
gacccacagg aatcaaaacg c                                                 21



<210>   34
<211>   40
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   SNP 657808 SNP sequence

<220>
<221>   misc_feature
<222>   (23)..(23)
<223>   "n" is either "a" or "g"



<400>   34
aattttaggg aaaaaaaagt ccnctgttta gatccagaag                             40



<210>   35
<211>   21
<212>   DNA
<213>   Artificial Sequence
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<220>
<223>  SNP 1373911 Forward Primer

<400>  35
gccccatttc atttggccaa c                                      21


<210>  36
<211>  21
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 1373911 Reverse primer

<400>  36
gtttggggat gcatctacaa g                                      21


<210>  37
<211>  41
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 1373911 SNP sequence

<220>
<221>  misc_feature
<222>  (22)..(22)
<223>  "n" is either "c" or "t"


<400>  37
tcttaaattt acttrgcctt angtttagat ccaacttgga t                41
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<210>  38
<211>  21
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 2146905 Foward primer

<400>  38
gtctcacatg cagccacaaa g                                                          21


<210>  39
<211>  21
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 2146905 Reverse primer

<400>  39
gtgctcccca gaaaattggt c                                                          21


<210>  40
<211>  40
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 2146905 SNP sequence

<220>
<221>  misc_feature
<222>  (22)..(22)
<223>  "n" is either "a" or "c"
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<400>  40
taattcattc atttgagaga cnctaaagga aggaaaattg                        40
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```
<210>  41
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<212>  DNA
<213>  Artificial Sequence
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<220>
<223>  SNP 4655643 Forward primer
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<400>  41
ggggtgggta gttttaaatg tc                                          22
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<210>  42
<211>  21
<212>  DNA
<213>  Artificial Sequence
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<220>
<223>  SNP 4655643 Reverse primer
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<400>  42
gactattttc cgttactctc c                                           21
```

```
<210>  43
<211>  40
<212>  DNA
<213>  Artificial Sequence
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<220>
<223>  SNP 4655643 SNP sequence
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<220>
<221>  misc_feature
<222>  (20)..(20)
<223>  "n" is either "a" or "c"


<400>  43
tacrttttcc tataaactcn tcatgtggag agtaacggaa                              40


<210>  44
<211>  21
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 1338200 Forward primer


<400>  44
gatgaactgc agaggcagta c                                                 21


<210>  45
<211>  21
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 1338200 Reverse primer


<400>  45
gttttccaaa tgaaaataca g                                                 21


<210>  46
<211>  39
<212>  DNA
<213>  Artificial Sequence
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<220>
<223>  SNP 1338200 SNP sequence


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<222>  (19)..(19)
<223>  "n" is either "a" or "c"



<400>  46
tgaaaataca gagcgagana gcttttttta aaaaaaata                    39



<210>  47
<211>  21
<212>  DNA
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<220>
<223>  SNP 502690 Forward primer


<400>  47
gccccaagaa cctcaggaaa t                                       21



<210>  48
<211>  21
<212>  DNA
<213>  Artificial Sequence


<220>
<223>  SNP 502690 Reverse primer


<400>  48
gtacttttca gagcaaagca c                                       21
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<210>  49
<211>  42
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 502690 SNP sequence

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<221>  misc_feature
<222>  (22)..(22)
<223>  "n" is either "a" or "t"


<400>  49
tttaaataat aaaaatgatg tntatatgtg tgctttgctc tg                          42


<210>  50
<211>  21
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 3078564 Forward primer

<400>  50
ggattcagtg tattgacatg g                                                  21


<210>  51
<211>  21
<212>  DNA
<213>  Artificial Sequence
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<220>
<223>  SNP 3078564 Reverse primer


<400>  51
gtgacaacac catttctccg g                                          21




<210>  52
<211>  40
<212>  DNA
<213>  Artificial Sequence


<220>
<223>  SNP 3078564 SNP sequence


<220>
<221>  misc_feature
<222>  (23)..(23)
<223>  "n" is either "a" or "c" or "g" or "t"



<400>  52
gtattgacat ggattttctc tcntttcctc tctgtgtttt                       40



<210>  53
<211>  21
<212>  DNA
<213>  Artificial Sequence


<220>
<223>  SNP 1325267 Forward primer


<400>  53
gtgctgaatg acagtttgcc c                                           21
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<210>  54
<211>  21
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 1325267 Reverse primer

<400>  54
gatggagcag aagtcttcct g                                            21
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<210>  55
<211>  39
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 1325267 SNP sequence

<220>
<221>  misc_feature
<222>  (21)..(21)
<223>  "n" is either "c" or "t"

<400>  55
gtgcagttaa aatatgctga ngccctgca tggccagga                          39
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<210>  56
<211>  21
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 1856319 Forward primer
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<400>  56
gccaacttcc ttttgtagag c                                        21



<210>  57
<211>  21
<212>  DNA
<213>  Artificial Sequence


<220>
<223>  SNP 1856319 Reverse primer


<400>  57
gttagatgtg gaaaacttgc c                                        21



<210>  58
<211>  39
<212>  DNA
<213>  Artificial Sequence


<220>
<223>  SNP 1856319 SNP sequence


<220>
<221>  misc_feature
<222>  (20)..(20)
<223>  "n" is either "c" or "t"



<400>  58
aatcaagggg aaagaaaaan ttgaattgct ctacaaaag                     39
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<210>  59
<211>  21
<212>  DNA
<213>  Artificial Sequence


<220>
<223>  SNP 1325266 Forward primer


<400>  59
ggggtgtttt gtgtctggat g                                              21



<210>  60
<211>  21
<212>  DNA
<213>  Artificial Sequence


<220>
<223>  SNP 1325266 Reverse primer


<400>  60
gcagggaaga tgtcacatat c                                              21



<210>  61
<211>  39
<212>  DNA
<213>  Artificial Sequence


<220>
<223>  SNP 1325266 SNP sequence


<220>
<221>  misc_feature
<222>  (21)..(21)
<223>  "n" is either "a" or "g"
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<400>  61
ggatgcctaa ggtgattcca ngggagggga tggaagata                            39


<210>  62
<211>  41
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  SNP 3078564 SNP sequence

<220>
<221>  misc_feature
<222>  (24)..(24)
<223>  "n" is either "a" or "c" or "g" or "t"


<400>  62
gtattgacat ggattttctc tccntttcct ctctgtgttt t                         41


<210>  63
<211>  35
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  FIT-NP oligonucleotide

<400>  63
gtacagtcga ctatgatgga aggactgaaa aaacg                                35
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<210>  64
<211>  28
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  FIT-PR oligonucleotide

<400>  64
gtacagtcga ccagaccttt tcccactg                              28


<210>  65
<211>  26
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Antisense oligonucleotide

<400>  65
atagcggccg cggctaaggg tgctat                                26


<210>  66
<211>  21
<212>  DNA
<213>  primer

<400>  66
tgaaggcttc cataggcaac a                                     21
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<210>   67
<211>   18
<212>   DNA
<213>   primer

<400>   67
tggaacgcct gggtcttg   18